CLAIMS:

1. An inkjet recording element comprising a support having thereon a non-porous ink-receiving layer comprising a hydrophilic binder and particles of a synthetic, substantially amorphous aluminosilicate material in an amount of at least 5 weight percent and less than 30 weight percent, based on the solids weight of the ink-receiving layer, the synthetic, substantially amorphous aluminosilicate material having an average diameter, as primary particles, of 1 to 10 nm, wherein the synthetic, substantially amorphous aluminosilicate material exhibits an X-ray diffraction pattern that comprises weak peaks at about 2.2 and 3.3 Å.

2. The inkjet recording element of claim 1 wherein the hydrophilic binder comprises poly(vinyl alcohol).

3. The inkjet recording element of claim 1 wherein the inkjet recording element further comprises a base layer located between the ink-receiving layer and the support.

4. The inkjet recording element of claim 1 wherein the inkjet recording element further comprises an overcoat.

5. The inkjet recording element of claim 1 wherein the synthetic, substantially amorphous aluminosilicate particles are substantially in the form of hollow spheres.

6. The inkjet recording element of claim 1 wherein the synthetic, substantially amorphous aluminosilicate material is a synthetic allophane with essentially no iron atoms.

7. The inkjet recording element of claim 1 wherein the synthetic, substantially amorphous aluminosilicate material is a synthetic allophane having a positive charge.

8. The inkjet recording element of claim 1 wherein the synthetic, substantially amorphous particles comprise a polymeric aluminosilicate having the formula:

$$Al_xSi_yO_a(OH)_b{}^*nH_2O$$

where the ratio of x:y is between 0.5 and 4, a and b are selected such that the rule of charge neutrality is obeyed; and n is between 0 and 10.

9. The inkjet recording element of claim 7 wherein the synthetic, substantially amorphous aluminosilicate comprises organic groups.

10. The inkjet recording element of claim 7 wherein the synthetic, substantially amorphous aluminosilicate has the formula:

$$Al_xSi_yO_a(OH)_b{}^*nH_2O$$

where the ratio of x:y is between 1 and 3.6, and a and b are selected such that the rule of charge neutrality is obeyed; and n is between 0 and 10.

11. The inkjet recording element of claim 1 wherein the average particle size of the synthetic, substantially amorphous particles is in the range from about 3 nm to about 6 nm.

12. The inkjet recording element of claim 1 wherein the synthetic, substantially amorphous aluminosilicate material is represented by the formula:

$$Al_xSi_yO_a(OH)_b{}^*nH_2O$$

where the ratio of x:y is between 1 and 3.6, and a and b are selected such that the rule of charge neutrality is obeyed; and n is between 0 and 10.

13. The inkjet recording element of claim 1 wherein the ink-receiving layer comprises a binder in the amount of at least 80 weight percent based on total solids.

14. The inkjet recording element of claim 1 where the ratio of hydrophilic binder to the aluminosilicate particles is about from about 95:5 to about 70:30.

15. An inkjet printing method, comprising the steps of:

A) providing an inkjet printer that is responsive to digital data signals;

B) loading the inkjet printer with the inkjet recording element of Claim 1;

C) loading the inkjet printer with an inkjet ink; and

D) printing on the inkjet recording element using the inkjet ink in response to the digital data signals.